図 1

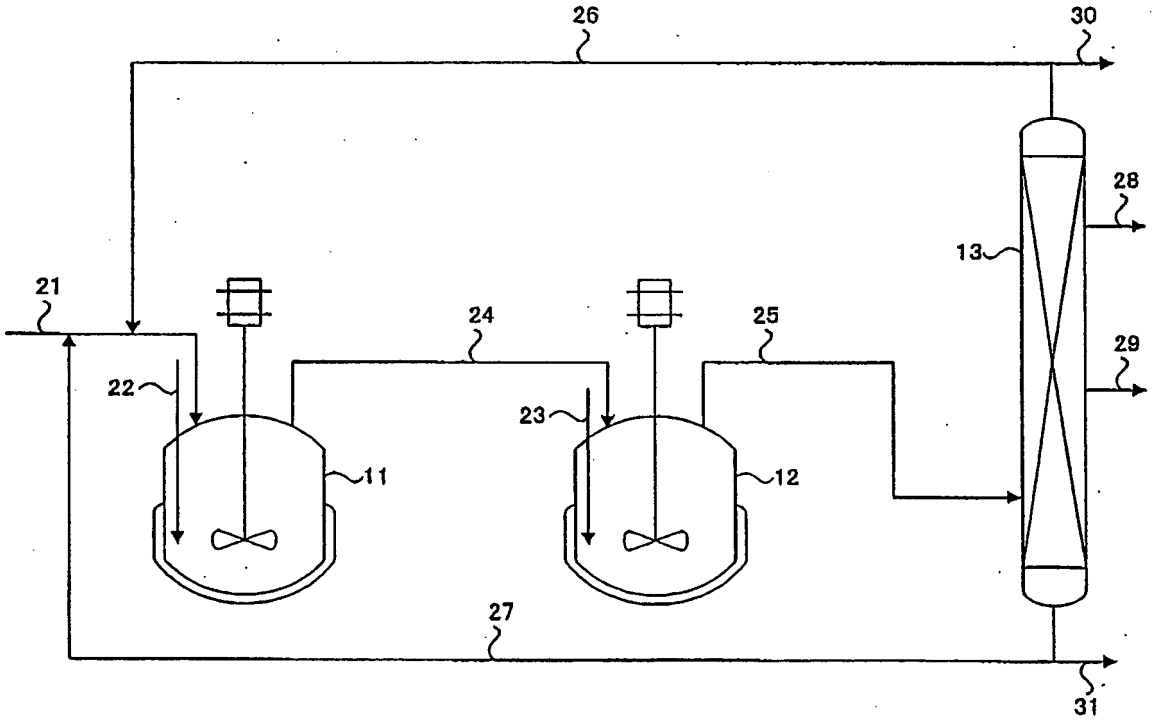
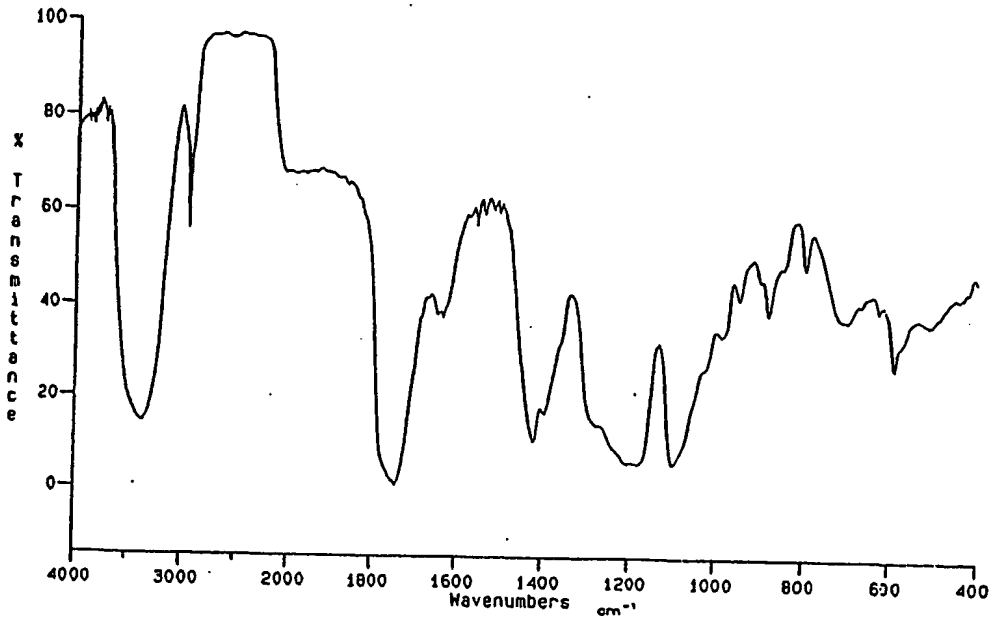


図 2


100
80
60
40
20
0
% Transmittance
4000
3000
2000
1800
1600
1400
1200
1000
800
600
400
Wavenumbers cm⁻¹

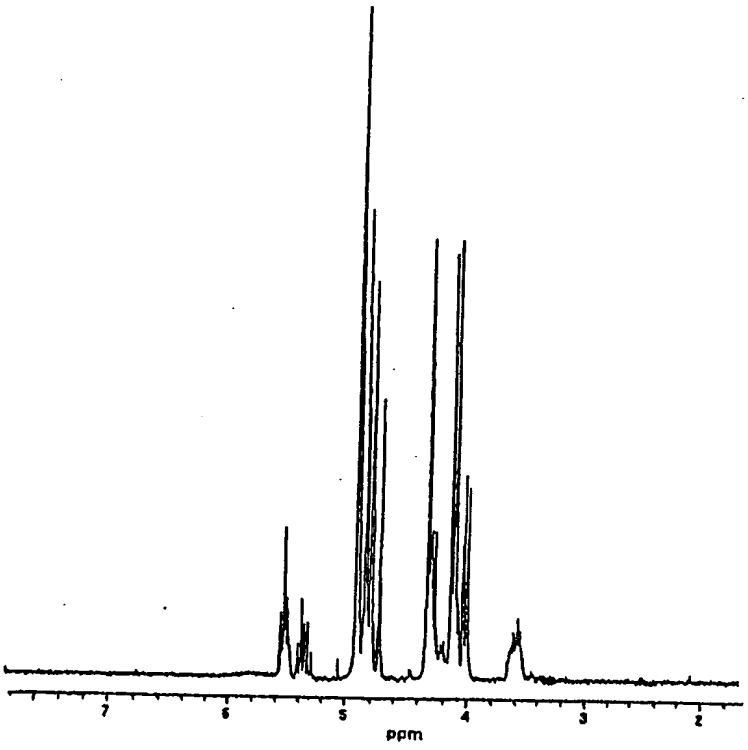



図 3